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What is claimed is:

1. A computer readable medium comprising:

a plurality of pieces of video image data to be processed sequentially; and

stereoscopic parameters for converting a video image into a stereoscopic image, each of which is associated with each of the plurality of pieces of video image data.

10 2. A computer readable medium comprising:

a plurality of pieces of video image data to be processed sequentially; and

sub-picture data to be combined with each of the plurality of pieces of video image data, wherein the sub-picture data contains stereoscopic parameters for converting a video image into a stereoscopic image.

- 3. The computer readable medium according to Claim 1 or 2, further comprising a program for causing a computer to execute a stereoscopic imaging process effecting the stereoscopic parameters on the video image data.
- 4. A stereoscopic parameter embedding apparatus comprising: a video image input unit operable to input a plurality of pieces of video image data to be processed sequentially;
- a parameter input unit operable to input stereoscopic parameters for converting a video image into a stereoscopic image, each parameter being associated respectively with each of the plurality of pieces of video image data;

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a converter operable to convert each of the input stereoscopic parameters into binary data; and

an embedding unit operable to embed bar-code image data corresponding to the binary data in each of the plurality of pieces of video image data.

5. A stereoscopic parameter embedding apparatus comprising:

a sub-picture input unit operable to input sub-picture data to be combined with each of a plurality of pieces of video image data to be processed sequentially;

a parameter input unit operable to input stereoscopic parameters for converting a video image into a stereoscopic image, each parameter being associated respectively with each of the plurality of pieces of video image data;

a converter operable to convert each of the input stereoscopic parameters into binary data; and

an embedding unit operable to embed bar-code image data corresponding to the binary data in each of the pieces of sub-picture data.

20 6. The stereoscopic parameter embedding apparatus according to Claim 5 further comprising:

a video image input unit operable to input a plurality of pieces of video image data to be combined with the sub-picture data; and

a video content data preparing unit operable to prepare video content data of signals, wherein the sub-picture data with the embedded bar-code image data and the video image data input via the video image input unit are multiplexed in accordance with predetermined standards.

7. A stereoscopic image reproducer comprising:

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a reader operable to read video image data to be processed sequentially from a computer readable medium, the computer readable medium comprising the video image data and bar-code image data, the bar-code image data being prepared through conversion of stereoscopic parameters for converting a video image into a stereoscopic image, into binary data;

a bar-code identifying unit operable to identify the bar-code image data embedded in the read video image data;

a parameter extracting unit operable to analyze the identified barcode image data and extract the stereoscopic parameters;

a stereoscopic processor operable to apply a stereoscopic imaging process on the video image data, the stereoscopic imaging process effecting the extracted stereoscopic parameters on the video image data in which the bar-code image data of the stereoscopic parameters is embedded; and

an output unit operable to output the stereoscopic-process-applied video image data to a display in a predetermined sequence.

8. A stereoscopic image reproducer comprising:

a reader operable to read video content data from a computer readable medium, the video content data comprising video image data to be processed sequentially, and sub-picture data to be combined with the video image data and in which bar-code image data is embedded, the bar-code image data being prepared through conversion of stereoscopic parameters for converting a video image into a stereoscopic image, into binary data;

an extracting unit operable to extract the video image data and the sub-picture data from the read video content data;

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a bar-code identifying unit operable to identify the bar-code image data embedded in the extracted sub-picture data;

a parameter extracting unit operable to analyze the identified barcode image data and extract the stereoscopic parameters;

a stereoscopic processor operable to apply a stereoscopic imaging process on the video image data, the stereoscopic imaging process effecting the extracted stereoscopic parameters on the video image data to be combined with the sub-picture data where the bar-code image data of the stereoscopic parameters is embedded;

a combiner operable to combine the stereoscopic-process-applied video image data with the sub-picture data; and

an output unit operable to output the video image data with the combined sub-picture data to a display in a predetermined sequence.

- 9. The stereoscopic image reproducer according to Claim 8, further comprising a bar-code eraser operable to alter the sub-picture data to erase the bar-code image data after the bar-code data is analyzed and the stereoscopic parameters are extracted from the bar-code image data, wherein the combiner combines the video image data with the altered sub-picture data.
 - 10. The stereoscopic image reproducer according to Claim 8 or 9, further comprising a reproduction system switcher operable to switch between reproduction of video image data for stereoscopic viewing and reproduction of video image data not for stereoscopic viewing, wherein the combiner, if reproduction of video image data for stereoscopic viewing is selected by the reproduction system switcher, combines the stereoscopic-process-applied video image data with the sub-picture data, and if reproduction of video image data not for stereoscopic viewing is selected

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by the reproduction system switcher, combines the pre-stereoscopicprocess video image data with the sub-picture data.

11. A program for causing a computer to execute a process, the computer comprising:

a video image input unit operable to input a plurality of pieces of video image data to be processed sequentially; and

a parameter input unit operable to input stereoscopic parameters for converting a video image into a stereoscopic image, each of which is associated with each of the plurality of pieces of video image data, the process comprising:

converting each of stereoscopic parameters input via the parameter input unit into binary data; and

embedding bar-code image data corresponding to the binary data in video image data input via the video image input unit.

12. A program for causing a computer to execute a process, the computer comprising:

a sub-picture input unit operable to input sub-picture data to be combined with each of a plurality of pieces of video image data to be processed sequentially; and

a parameter input unit operable to input stereoscopic parameters for a video image into a stereoscopic image, each parameter being associated with each of the plurality of pieces of video image data, the process comprising:

converting each of stereoscopic parameters input via the parameter input unit into binary data; and

embedding bar-code image data corresponding to the binary data in sub-picture data input via the sub-picture input unit.

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13. A program for causing a computer to execute a process, the computer comprising:

a reader operable to read video image data to be processed sequentially from a computer readable medium, the computer readable medium comprising the video image data and bar-code image data, the bar-code image data being prepared through conversion of stereoscopic parameters for converting a video image into a stereoscopic image, into binary data; and

a display operable to display a video image, the process comprising: identifying the bar-code image data embedded in video image data read by the reader;

analyzing the identified bar-code image data to extract stereoscopic parameters;

applying a stereoscopic imaging process to the video image data, the stereoscopic imaging process effecting the extracted stereoscopic parameters on the video image data in which the bar-code image data of the stereoscopic parameters is embedded; and

outputting the stereoscopic-process-applied video image data to the display in a predetermined sequence.

14. A program for causing a computer to execute a process, the computer comprising:

a reader operable to read video content data from a computer
readable medium, the video content data comprising video image data to
be processed sequentially, and sub-picture data to be combined with the
video image data and in which bar-code image data is embedded, the barcode image data being prepared through conversion of stereoscopic

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parameters for converting a video image into a stereoscopic image, into binary data; and

a display operable to display a video image; the process comprising: extracting the video image data and the sub-picture data from the video content data read via the reader;

identifying bar-code image data embedded in the extracted subpicture data;

analyzing the identified bar-code image data to extract stereoscopic parameters;

applying a stereoscopic imaging process on the video image data, the stereoscopic imaging process effecting the extracted stereoscopic parameters on the video image data to be combined with the sub-picture data in which the bar-code image data of the stereoscopic parameters is embedded:

combining the stereoscopic-process-applied video image data with the sub-picture data;

outputting the video image data with the combined sub-picture data to the display in a predetermined sequence.

20 15. A method of distributing video content data, comprising: generating video content data representing signals by a first computer comprising:

image data; and

a video image input unit operable to input a plurality of pieces of video image data to be processed sequentially; a sub-picture input unit operable to input sub-picture data to be combined with each of the plurality of pieces of video

a parameter input unit operable to input stereoscopic parameters for converting a video image into a stereoscopic

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image, each of which is associated with each of the pieces of plurality of video image data, the step of generating video content data comprising:

converting stereoscopic parameters input from the subpicture input unit into binary data;

embedding bar-code image data corresponding to the binary data in sub-picture data input from the sub-picture input unit; and

multiplexing the sub-picture data in which the bar-code image data is embedded and video image data input from the video image input unit in conformity with predetermined standards to generate the signals,

storing the video content data in a computer readable medium and shipping it;

causing the video content data stored in the computer readable medium to be processed by a second computer capable of reproducing the video content data; and

displaying a stereoscopic image of a video image by the second computer, comprising:

extracting the video image data and the sub-picture data from the video content data read from the computer readable medium;

identifying the bar-code image data embedded in the extracted sub-picture data;

analyzing the identified bar-code image data and extracting the stereoscopic parameters;

applying a stereoscopic imaging process to the video image data, the stereoscopic imaging process effecting the extracted stereoscopic parameters on the video image data

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to be combined with the sub-picture data in which the barcode image data of the stereoscopic parameters is embedded;

combining the stereoscopic-imaging-process-applied video image data with the sub-picture data; and outputting the video image data with the combined sub-picture data to a display in a predetermined sequence.

16. A computer readable medium comprising:

two-dimensional image data; and

stereoscopic parameters for converting a two-dimensional image into a stereoscopic image, the stereoscopic parameters being associated with the two-dimensional image.

17. A stereoscopic parameter embedding apparatus comprising:

an image input unit operable to input two-dimensional image data;

a parameter input unit operable to input stereoscopic parameters for converting a two-dimensional image into a stereoscopic image;

a converter operable to convert each of the input stereoscopic parameters into binary data; and

an embedding unit operable to embed bar-code image data corresponding to the binary data in the input two-dimensional image data.

18. A stereoscopic image reproducer comprising:

a reader operable to read two-dimensional image data from a computer readable medium, the computer readable medium comprising video image data in which bar-code image data is embedded, the bar-code image data being prepared through conversion of stereoscopic parameters

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for converting a two-dimensional image into a stereoscopic image, into binary data;

a bar-code identifying unit operable to identify the bar-code image data embedded in the read two-dimensional image data;

a parameter extracting unit operable to analyze the identified barcode image data and extract the stereoscopic parameters;

a stereoscopic processor operable to apply a stereoscopic imaging process to the two-dimensional image data, the stereoscopic imaging process effecting the extracted stereoscopic parameters on the two-dimensional image data in which the bar-code image data of the stereoscopic parameters is embedded;

an output unit operable to output the stereoscopic-process-applied video image data to a display in a predetermined sequence.

15 19. A program for causing a computer to execute a process, the computer comprising:

an image input unit operable to input two-dimensional image data; and

a parameter input unit operable to input stereoscopic parameters for converting a two-dimensional image into a stereoscopic image; the process comprising:

converting each of the stereoscopic parameters input via the parameter input unit into binary data; and

embedding bar-code image data corresponding to the binary data in two-dimensional image data input via the video image input unit.

20. A program for causing a computer to execute a process, the computer comprising:

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a reader operable to read two-dimensional image data from a computer readable medium, the computer readable medium comprising the two-dimensional image data in which bar-code image data is embedded, the bar-code image data being prepared through conversion of stereoscopic parameters for converting a two-dimensional image into a stereoscopic image, into binary data; and

a display operable to display an image, the process comprising: identifying the bar-code image data embedded in he two-dimensional image data read by the reader;

analyzing the identified bar-code image data to extract stereoscopic parameters;

applying a stereoscopic imaging process on the two-dimensional image data, the stereoscopic imaging process effecting the extracted stereoscopic parameters on the two-dimensional image data in which the bar-code image data of the stereoscopic parameters is embedded; and

outputting stereoscopic image data generated through the stereoscopic process to the display.